

# Converting Colors

$Y_{xy}(70.4174, 0.2942, 0.5366)$

Have a look what the booklet for  
Yxy(70.4174, 0.2942, 0.5366)  
contains.

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# Color

**Yxy(70.4083, 0.2943, 0.5369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44FA5E
RGB	68, 250, 94
RGB Percent	27%, 98%, 37%
CMY	0.7329, 0.0196, 0.6315
CMYK	0.73, 0.00, 0.62, 0.02
HSL	129°, 95%, 62%
HSV	129°, 73%, 98%
XYZ	38.5941, 70.4083, 22.1362
YIQ	177.7980, -58.3960, -87.1000

# Conversions

## Conversions Part 2

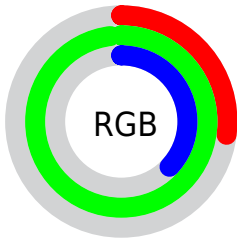
Format	Color
<a href="#">RYB</a>	<a href="#">68, 227, 250</a>
Decimal	<a href="#">4520542</a>
CIELab	<a href="#">87.20, -74.56, 60.32</a>
CIELCh	<a href="#">87, 95.909, 141.025</a>
Yxy	<a href="#">70.4083, 0.2943, 0.5369</a>
Android (android.graphics.Color)	<a href="#">4282710622</a> ( <a href="#">0xFF44FA5E</a> )
YUV	<a href="#">177.7980, -41.3124, -96.2928</a>
Hunter-Lab	<a href="#">83.9097, -64.7412, 43.0955</a>

# Details

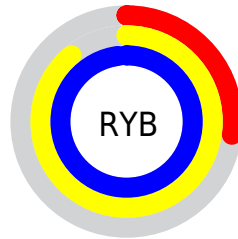
The Yxy color **70.4083, 0.2943, 0.5369** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **29.8612, 0.3472, 0.1886**, and the grayscale version is **44.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2654, 0.3019, 0.4602**, and **37.8206, 0.2953, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **69.3614, 0.2947, 0.5620**, and if you desaturate by 10%, it is **71.9510, 0.2950, 0.5074**.

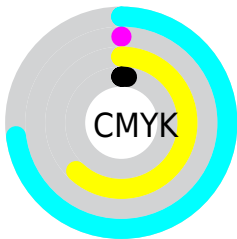
# Distribution



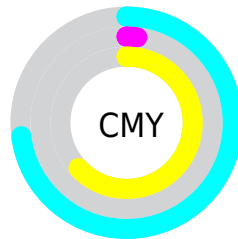
- Red (27%)
- Green (98%)
- Blue (37%)



- Red (27%)
- Yellow (89%)
- Blue (98%)



- Cyan (73%)
- Magenta (0%)
- Yellow (62%)
- Black (2%)




- Cyan (73%)
- Magenta (2%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4083, 0.2943, 0.5369 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.4083, 0.2943, 0.5369 by changing the saturation by 10% instead.





 70.4083, 0.2943,  
0.5369

 70.4083, 0.2943,  
0.5369


461.9823, 0.3098,  
0.4319


 51.8595, 0.2886,  
0.5622


 119.7908, 0.3013,  
0.4992

 36.8931, 0.2805,  
0.5938


 151.3933, 0.3036,  
0.4848

 25.1247, 0.2682,  
0.6336


 188.1158, 0.3053,  
0.4726

 16.1700, 0.2492,  
0.6845

 230.3427, 0.3066,  
0.4622

 9.6445, 0.2213,  
0.7578

278.4584, 0.3077,  
0.4531

 5.1639, 0.1700,  
0.8300

332.8474, 0.3086,

 2.3438, 0.0000,

0.4451

1.0000

393.8938, 0.3093,  
0.4381

■ 0.7967, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.4083, 0.2943,  
0.5369

■ 70.4083, 0.2943,  
0.5369

■ 69.3614, 0.2947,  
0.5620

■ 71.9510, 0.2950,  
0.5074


■ 68.7401, 0.2961,  
0.5809


■ 74.0321, 0.2966,  
0.4755


■ 68.4953, 0.2973,  
0.5903


■ 76.6994, 0.2990,  
0.4434

■ 79.9928, 0.3020,  
0.4124

 83.9490, 0.3052,  
0.3837

 88.6016, 0.3085,  
0.3578

 93.9821, 0.3118,  
0.3348

 96.8508, 0.3129,  
0.3242

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4083, 0.3971, 0.5319



70.4083, 0.2943, 0.5369



70.4083, 0.2015, 0.4348

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4083, 0.2943, 0.5369



70.4083, 0.1485, 0.1731



70.4083, 0.5118, 0.3107

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.4083, 0.2943, 0.5369



29.8612, 0.3472, 0.1886

# Split Complementary

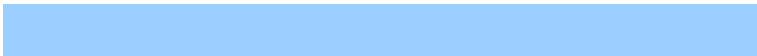
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.4083, 0.4154, 0.2449



70.4083, 0.2943, 0.5369



70.4083, 0.2019, 0.1699

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4083, 0.2943, 0.5369



70.4083, 0.1299, 0.2116



70.4083, 0.2951, 0.1950



70.4083, 0.5343, 0.3838



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4083, 0.2943, 0.5369



70.4083, 0.1591, 0.3416



70.4083, 0.2951, 0.1950



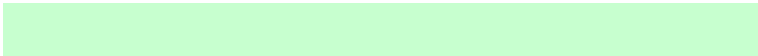
70.4083, 0.4863, 0.2877

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.4112, 0.2943, 0.5369



88.1473, 0.3054, 0.3817



84.9174, 0.3917, 0.5001



18.6085, 0.3045, 0.3892



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4112, 0.2943, 0.5369



72.2238, 0.2952, 0.5710



73.0354, 0.2582, 0.4176



19.3494, 0.3096, 0.3500



36.3446, 0.2968, 0.5886



3.3779, 0.2919, 0.5710



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.8612, 0.3472, 0.1886



27.7090, 0.3549, 0.1782



26.2152, 0.4700, 0.2687



17.4796, 0.3160, 0.3089



13.3848, 0.3605, 0.1760

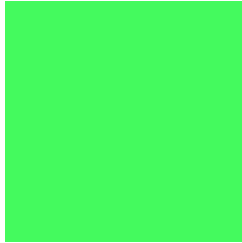


1.2509, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 70.4083, 0.2943, 0.5369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4083, 0.2943, 0.5369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4083, 0.2943, 0.5369**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4083, 0.2943, 0.5369.

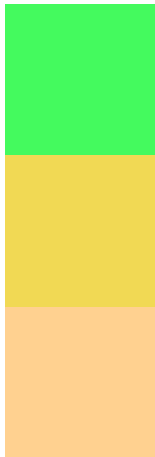


This preview shows how white text looks on a background with the Yxy color 70.4083, 0.2943, 0.5369.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

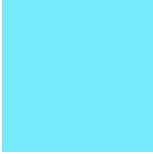
70.4083, 0.2943, 0.5369

### Protanopia

68.9666, 0.4178, 0.4596

### Deuteranopia

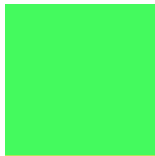
68.8745, 0.3970, 0.3959



## Tritanopia

69.7890, 0.2396, 0.3062

# Trichromacy



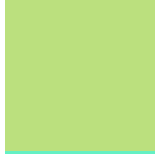
## Original Color

70.4083, 0.2943, 0.5369



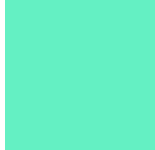
## Protanomaly

66.2082, 0.3597, 0.4947



## Deuteranomaly

65.3825, 0.3488, 0.4479



## Tritanomaly

68.9696, 0.2603, 0.3880

# Monochromacy



## Original Color

70.4083, 0.2943, 0.5369



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

50.6956, 0.3025, 0.4106

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4083, 0.2943, 0.5369 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(68, 250, 94)` looks like.

```
.text, #text, p{  
    color:rgb(68, 250, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(68, 250, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 250, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4083, 0.2943, 0.5369 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 250, 94) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(68, 250, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(68, 250, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 250, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 250, 94);  
box-shadow:4px 4px 4px 4px rgb(68, 250,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4083, 0.2943, 0.5369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 250, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(68, 250,  
94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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